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IS 14232 (1995): Shaving systems - Cases for barbers tools
[PGD 14: Consumer Products and Allied Equipments]



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शेविंग तंत्र — नाई का बक्सा — विशिष्ट

Indian Standard

SHAVING SYSTEMS — CASES FOR BARBERS
TOOLS — SPECIFICATION

UDC 687·53·058·71 : 621·798·12 (675·18)

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BUREAU OF INDIAN STANDARDS
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NEW DELHI 110002

**Fasteners for Consumer Goods and Hair Cutting, Shaving, Shearing and Allied Equipments
Sectional Committee, LM 15**

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Fasteners for Consumer Goods and Hair Cutting, Shaving, Shearing and Allied Equipment Sectional Committee had been approved by the Light Mechanical Engineering Division Council.

This standard would help the manufacturers for selecting the right material for the manufacturing of the cases used to keep the barbers tools. This standard also provides the necessary guidance to the barbers for selecting the right product. Since this product is being used extensively by military and paramilitary forces, the assistance has been derived from the Joint-Service Specification JSS 7105-18 while preparing this standard.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

SHAVING SYSTEMS — CASES FOR BARBERS TOOLS — SPECIFICATION

1 SCOPE

1.1 This specification covers the requirements of cases for barbers tools.

2 REFERENCES

The following Indian Standards are necessary adjuncts to this Standard:

<i>IS No.</i>	<i>Title</i>
580 : 1973	Specification for harness leather (<i>second revision</i>)
2907 : 1964	Specification for non-ferrous rivets (1.6 to 10 mm)
4274 : 1981	Specification for buckles (<i>first revision</i>)
4905 : 1968	Methods for random sampling
9543 : 1980	Specification for spun polyester sewing threads

3 MATERIAL

3.1 The cases for barbers tools shall be manufactured from the appropriate materials specified in the relevant specifications given below:

<i>Component</i>	<i>Material/Specification</i>
Top cover, straps, body and bottom rests	— Leather, cow/buffalo, cured conforming to IS 580 : 1973
Buckles	— Buckle brass roller single, 16 mm and 25 mm sizes conforming to IS 4274 : 1981
Thread	— Flax-undyed conforming to IS 9543 : 1980
Rivets	— Rivets copper hose, tinned 3 mm with washer conforming to IS 2907 : 1964
Wax shoe maker and saddlers	— The material shall have the following properties a) Softening point — 75°C Min,

b) Penetration number at 25°C (8 to 15 units), and

c) pH value of the aqueous extract — Neutral (10 g sample + 50 ml distilled water boil for 5 minutes).

4 MANUFACTURE

4.1 The cases for barbers tools shall be manufactured to the shape and design as shown in Fig. 1 and 2.

4.2 The metallic fasteners shall be firmly attached to the leather in required positions so that each fastener shall fit into the corresponding leather strap without producing any tension or sagging in the strap.

4.3 The stitching shall be uniform, sound, neat and shall be regulated at 28 to 30 stitches per decimeter. The thread shall be of 4 cord well twisted and waxed. Sewing by hook awl method shall not be permitted.

5 DIMENSIONS AND TOLERANCES

5.1 The case shall conform to the dimensions given in Fig. 1 and 2.

5.2 Tolerances on dimensions shall be as shown in Fig. 1 and 2 and tolerance on thickness shall be as per IS 580 : 1973.

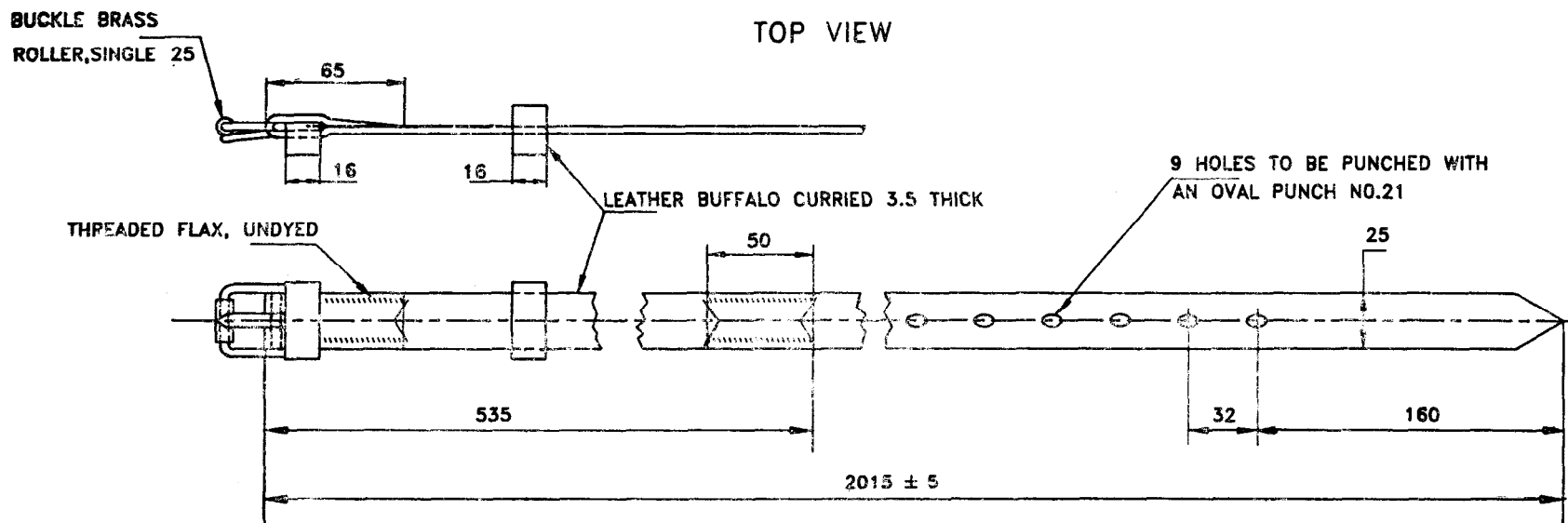
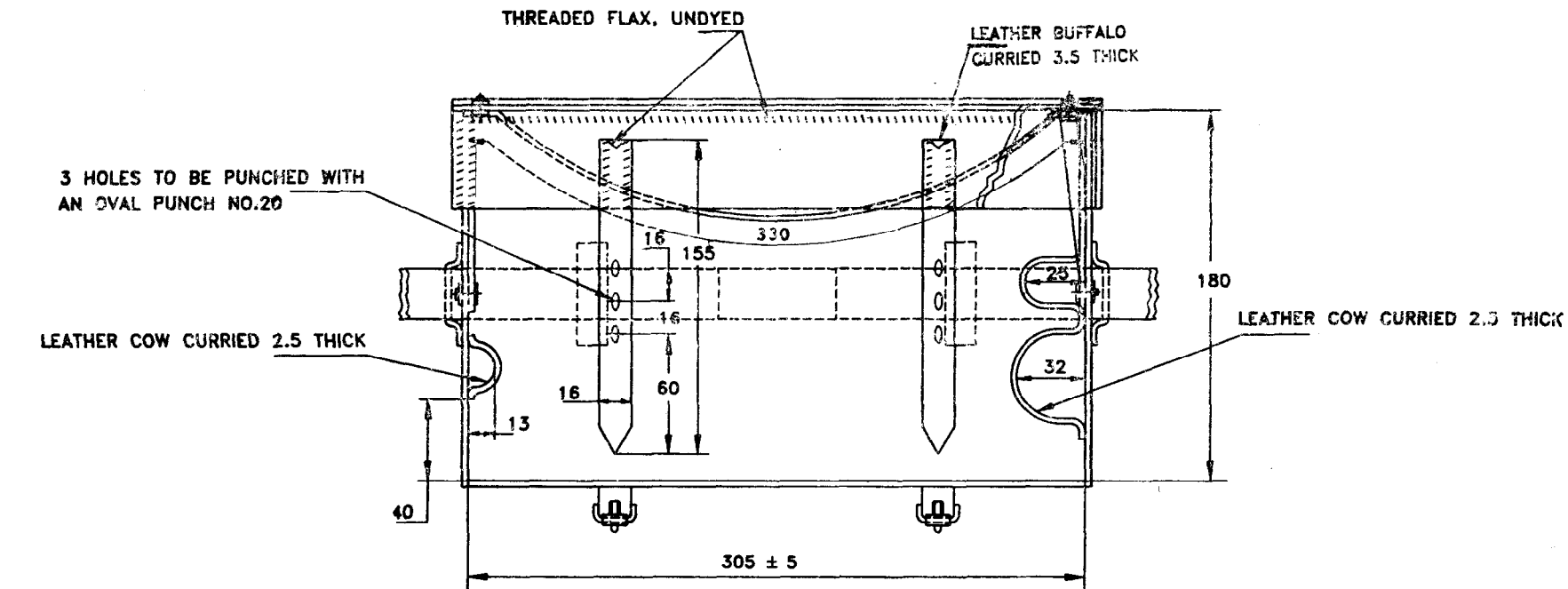
6 WORKMANSHIP AND FINISH

6.1 The metallic fittings shall be properly made to shape and shall be free from cracks, seams, scales, burrs and other defects. The buckle shall be finished smooth and the rollers shall be in a condition to move freely over the arms of the buckles.

6.2 All leather shall be cleanly cut and edges shall be neatly rubbed and creased.

6.3 All stitchings shall be of even tension and securely fastened off. The loose ends of the threads shall be removed.

6.4 The general workmanship and finish shall be good or as agreed to between the purchaser and the manufacturer.



All dimensions in millimetres.

FIG. 1

7 MARKING

7.1 Each case shall be legibly and indelibly marked with the manufacturer's name or recognised trade-mark, number and year of manufacture.

7.2 BIS Certification Marking

The product may also be marked with the Standard Mark.

7.2.1 The use of the Standard Mark is governed by the provisions of Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

8 PACKING

8.1 Each case shall be suitably packed in accordance with the acceptable trade practice or as agreed to between the purchaser and the manufacturer.

9 SAMPLING

9.1 Unless otherwise agreed to between the purchaser and the manufacturer the sampling plan as given in Tables 1 and 2 shall be followed.

9.2 The samples shall be drawn using the technique of random sampling as per IS 4905 : 1968.

Table 1 Sampling Inspection Plans for Normal Inspection (Visual Inspection Based on AQL 5 percent)

(Clause 9.1 and 10.1)

Lot Size	Sample Size	Acceptance Number
(1)	(2)	(3)
Up to 50	28	0
51 to 90	34	0
91 to 150	38	0
151 to 280	42	0
281 to 500	50	0
501 to 1 200	80	1
1 201 to 3 200	125	3

10 CRITERIA FOR CONFORMITY

10.1 The supply of the cases shall be considered to be in conformity only when all samples drawn are tested/examined to the relevant requirements and found to conform to the acceptance number as given in Tables 1 and 2.

Table 2 Sampling Plans for Normal Inspection (Detailed Laboratory Testing)

(Clause 9.1 and 10.1)

Lot Size	Sampling Plan No.	Major Characteristics AQL 4 Percent		Minor Characteristics	
		Sample Size	Acceptance Number	Sample Size	Acceptance Number
(1)	(2)	(3)	(4)	(5)	(6)
2 to 25	1	5	0	5	1
26 to 50	2	5	0	5	1
51 to 100	3	5	0	5	1
101 to 150	4	5	0	5	1
151 to 300	5	5	0	8	2
301 to 500	6	5	0	8	2
501 to 1 000	7	5	0	13	3
1 001 to 3 000	8	20	2	13	3

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This Indian Standard has been developed from Doc : No. LM 15 (0093).

Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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